

IN THE SPECIFICATION

Please amend Page 1, Line 18 to Page 2, Line 8 as follows:

The theory of operation of band-gap reference circuits is well known in the art. Two different sized base-emitter diodes are biased with the same current level. Since the diodes are not the same size, the diodes operate in different current density. The differences in current density are used to generate a proportional-to-absolute temperature (PTAT) current. The PTAT current develops a voltage across a resistor, thereby creating a PTAT voltage. The PTAT voltage is proportional to absolute temperature and has a positive temperature coefficient. This voltage is then summed to a base-emitter junction voltage of a diode that has a negative temperature coefficient. The negative temperature coefficient and the positive temperature coefficient cancel each other out, so that the combined voltage across the resistor and the base-emitter junction is constant over temperature.